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File: JPAB

Apr 8, 2004

PUB-NO: JP02004105901A

DOCUMENT-IDENTIFIER: JP 2004105901 A

TITLE: METHOD AND APPARATUS FOR CONTINUOUSLY RECOVERING PAINT WASTE

PUBN-DATE: April 8, 2004

INVENTOR-INFORMATION:

NAME

COUNTRY

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FUJI HEAVY IND LTD

APPL-NO: JP2002274690

APPL-DATE: September 20, 2002

INT-CL (IPC): B05B 15/04; C02F 1/24; C02F 1/38; C02F 1/40

ABSTRACT:

PROBLEM TO BE SOLVED: To provide a method of continuously recovering paint wastes, by which the recovery efficiency of paint wastes can be enhanced, the running cost is reduced, a high-grade paint slag can be obtained, and the wastes can be used for manufacturing of the high-quality recycled items without giving any trouble to an apparatus for manufacturing recycled articles at all.

SOLUTION: The booth circulating water containing paint particles discharged from a painting booth 1 is housed into a first separation vessel 6 where paint particles are subdivided, dispersed, and floated by addition of a dispersant and a floating agent thereto. A liquid containing the dispersed and floated paint particles is supplied to a second separation vessel 15 where the liquid is roughly separated to the paint slag and liquid-component. The liquid containing the coarsely separated paint slag is stored in a foreign substance separation vessel 17 where foreign substances are removed from the liquid. The paint slag is then separated and recovered from the liquid containing the paint slag.

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